

Brief Introduction to The University of Aizu

The University of Aizu was the first university in Japan solely dedicated to Computer Science and Engineering. The following is a brief introduction to the University.

- Leadership
The University of Aizu nurtures computer scientists and high-skilled computer engineers with dependable leadership who will create and exploit “knowledge” in the ubiquitous computer society.
- Creativity
The University of Aizu fosters student’s latent limitless creativity by providing training in critical thinking and encouraging students to study in order to satisfy their curiosity, free preconceived ideas.
- UNIX Environment for Education
The University has fully adopted a UNIX computer environment, so that students can naturally learn essential knowledge regarding software and skills, not just superficial knowledge.
- International Faculty
Members of our faculty have come from 17 Countries and Regions including Japan, Australia, Bulgaria, Canada, China, Colombia, Egypt, France, Germany, India, Korea, Russia, Taiwan, Tunisia, U.S.A., and Viet Nam. Students will naturally acquire global communication skills through English education for special purposes, classes given in English and everyday conversation with faculty members.
- Good Living Environment
Beautiful nature, friendly citizens of the local towns and tasty food help students to recover from the fatigue coming from their work.

One objective of the Annual Review is to show the contributions of the laboratories and centers in the University including technical papers (published/accepted) and academic activities.

To request a copy of the Annual Review, please contact the Planning and PR Section, the Planning and Collaboration Division, by e-mail, cl-planpr@u-aizu.ac.jp, or by fax at +81-(0)242-37-2546.

A complete version of this Annual Review is also available on our University website at the URL: <http://www.u-aizu.ac.jp>.

Contents

Division of Computer Science	1
Mathematics and Physics Laboratory Group	1
Mathematical Foundation of Computer Science Laboratory	11
Information Security Laboratory	17
System Analysis Laboratory	37
System Intelligence Laboratory	40
Cognitive Science Laboratory	53
Complex Systems Modeling Laboratory	63
Environmental Informatics Laboratory	88
Medical Image Processing Laboratory	91
Division of Computer Engineering	92
Computer Organization Laboratory	92
LSI Design Laboratory	110
Adaptive Systems Laboratory	118
Distributed Parallel Processing Laboratory	130
Data Networking Laboratory	133
Computer Networks Laboratory	134
Computer Communications Laboratory	143
Embedded Systems Laboratory	159
Division of Information Systems	166
Robot Engineering Laboratory	166
Computer Arts Laboratory	174
Pattern Processing Laboratory	185
Human Interface Laboratory	206
Computer Graphics Laboratory	210
Biomedical Information Technology Laboratory	224
Database Systems Laboratory	237
Active Knowledge Engineering Laboratory	250

Intelligent Data Analytics Laboratory	264
Software Engineering Laboratory	275
Space and Planetary Informatics Laboratory	294
Centers	307
Center for Cultural Research and Studies	307
Center for Language Research	316
Research Center for Advanced Information Science and Technology .	344
Information Systems and Technology Center	391
Office for Planning and Management	392
Student Affairs Division	403
University-Business Innovation Center	404
Revitalization Center	407
Center for Globalization	412